

FIG. 1
(RELATED ART)

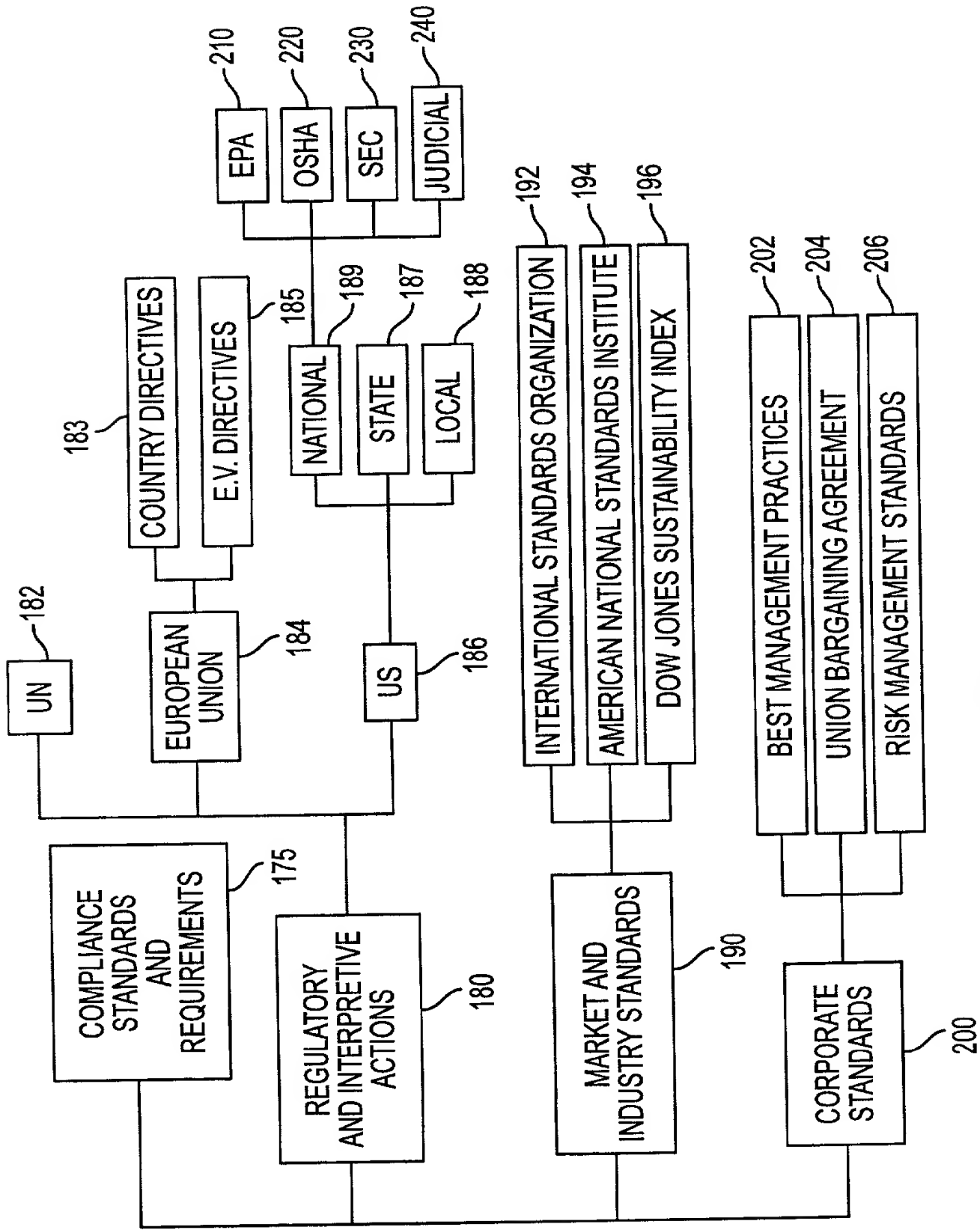


FIG. 2
(RELATED ART)

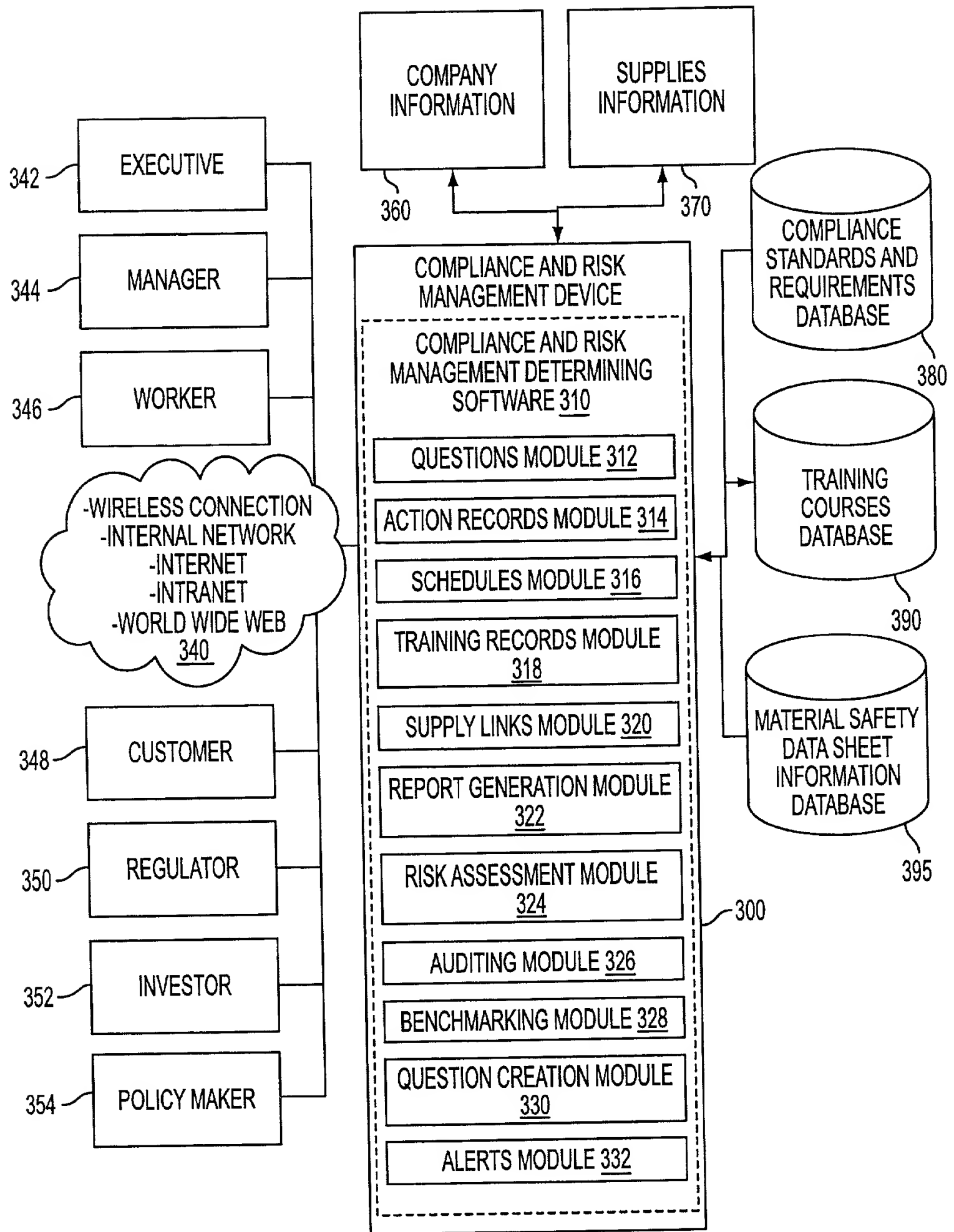


FIG. 3

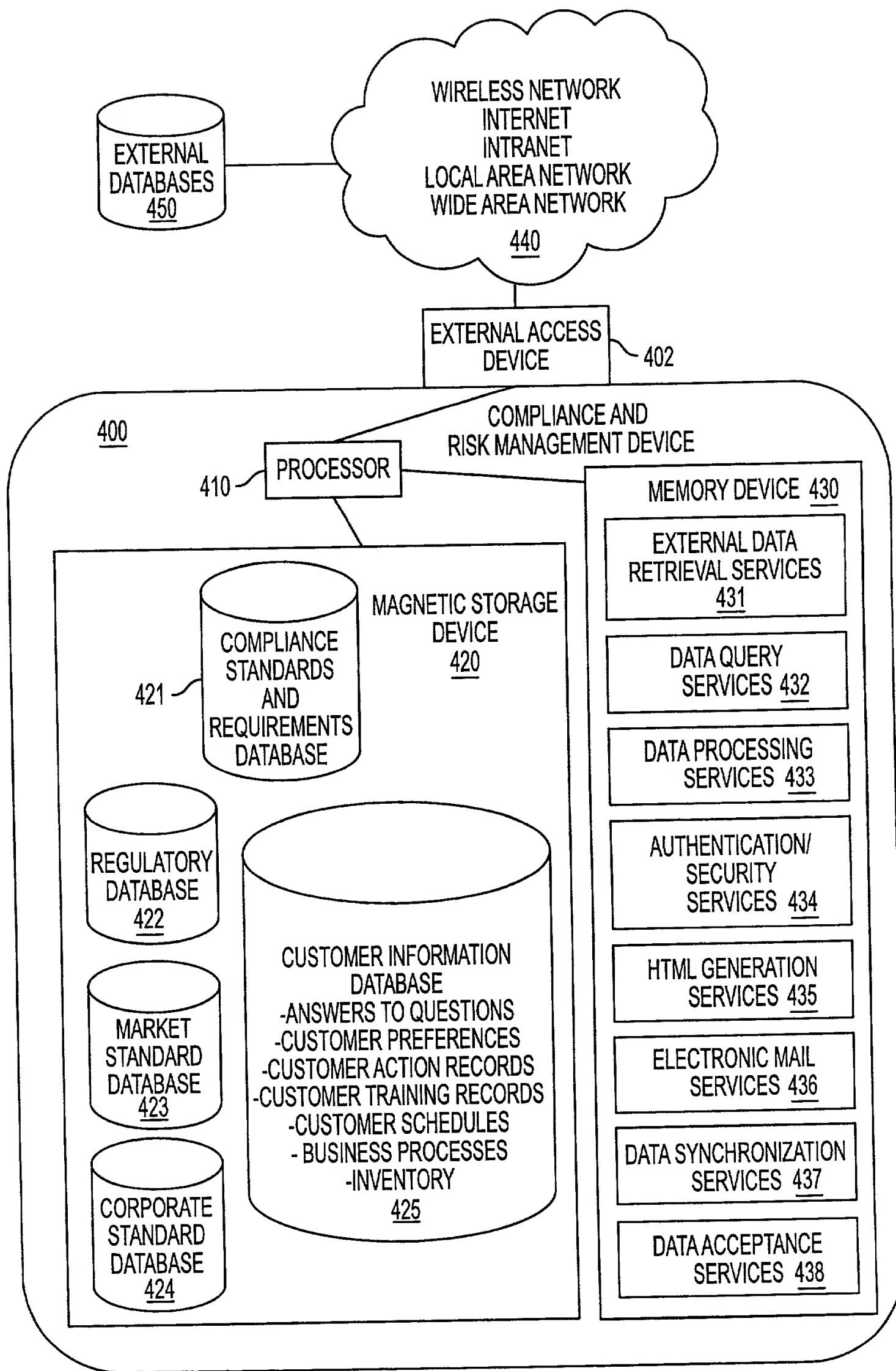


FIG. 4

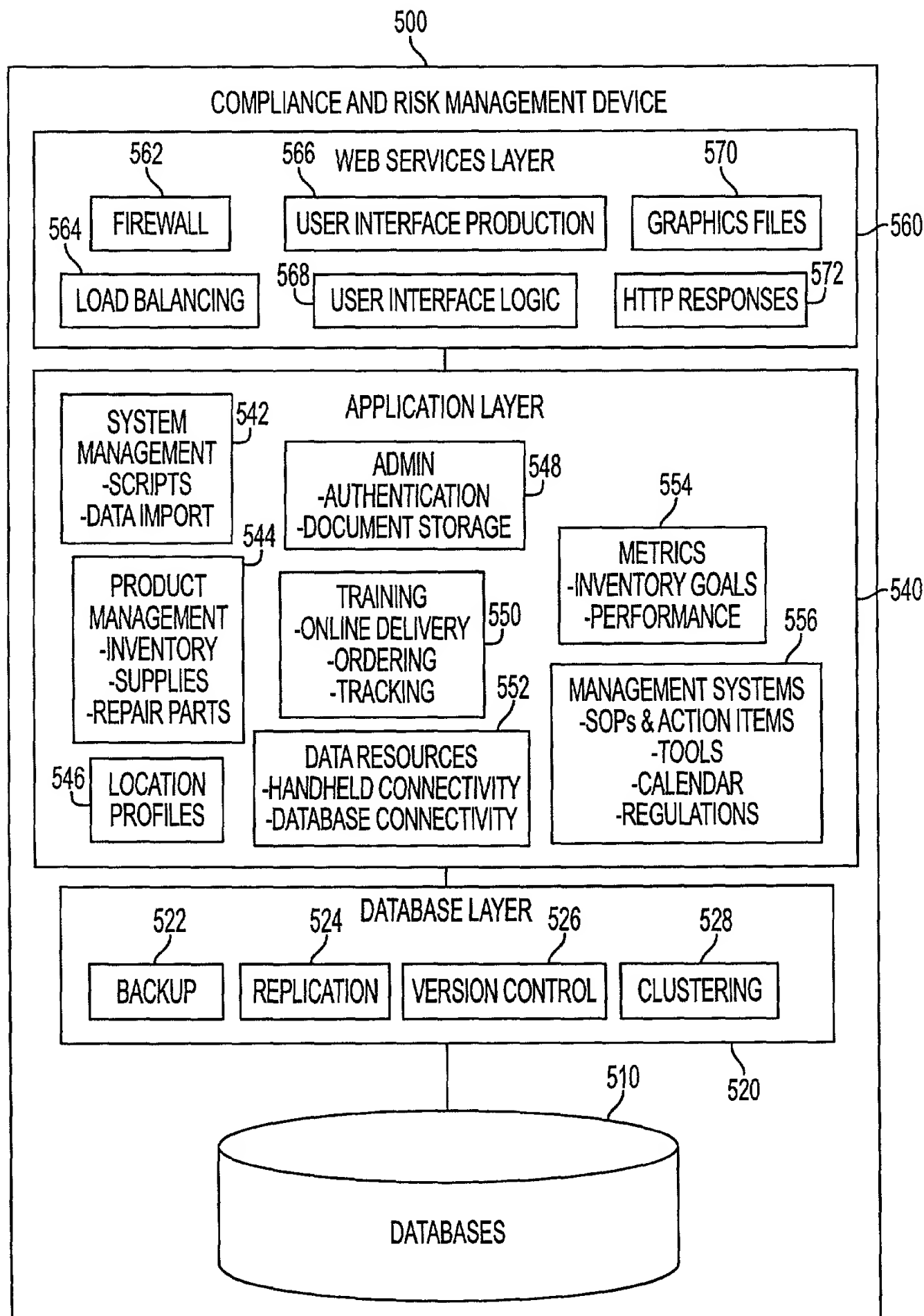


FIG. 5

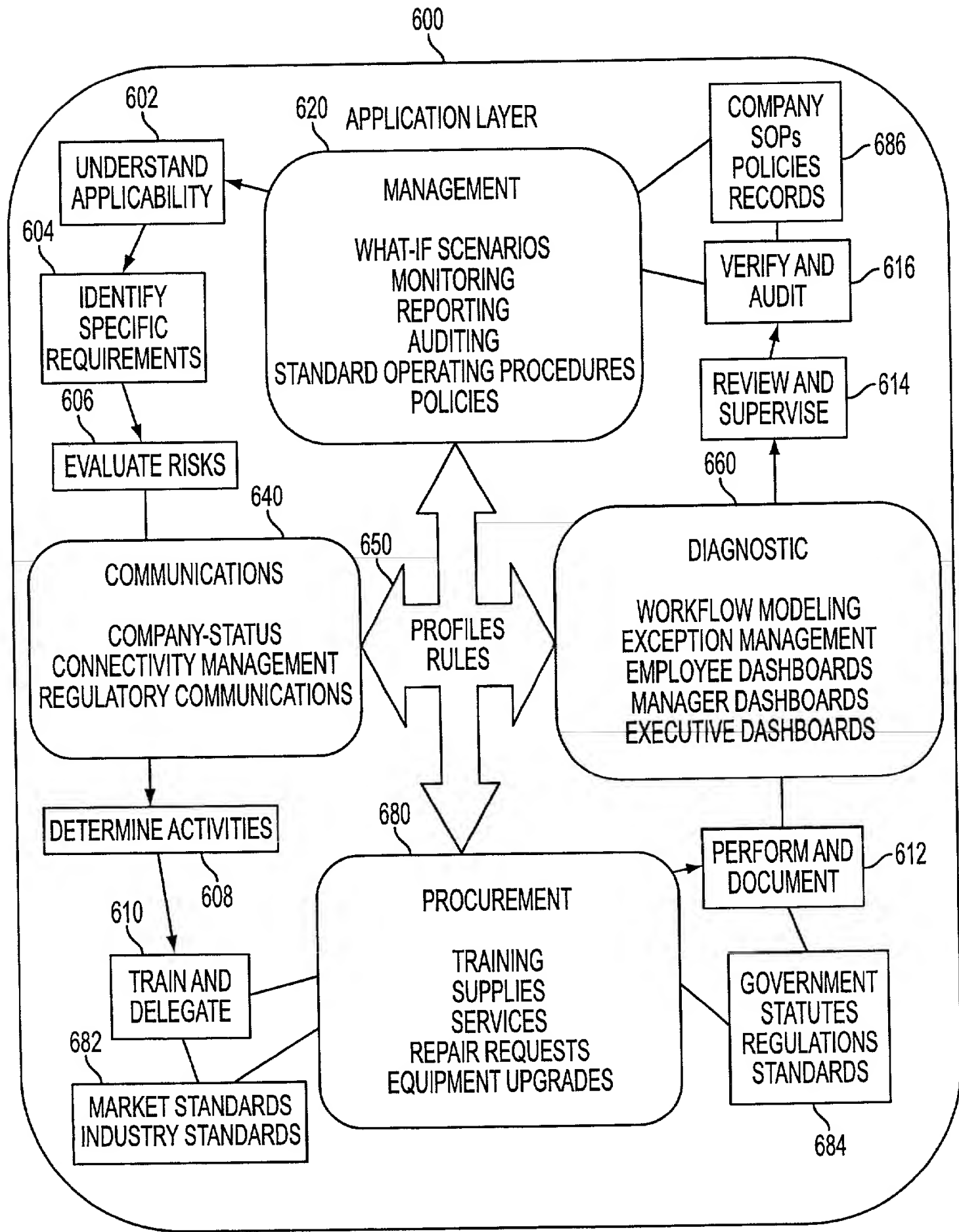


FIG. 6

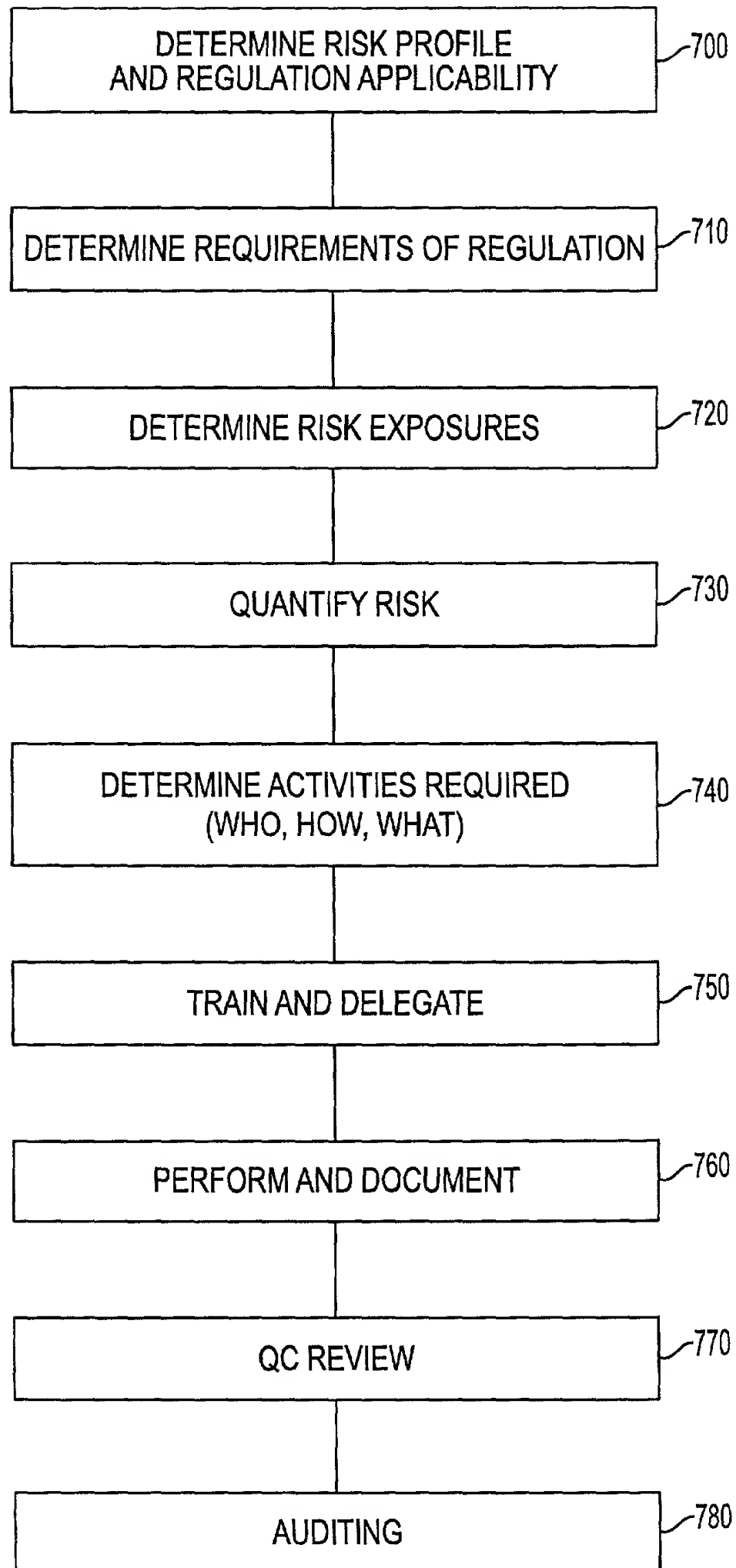


FIG. 7

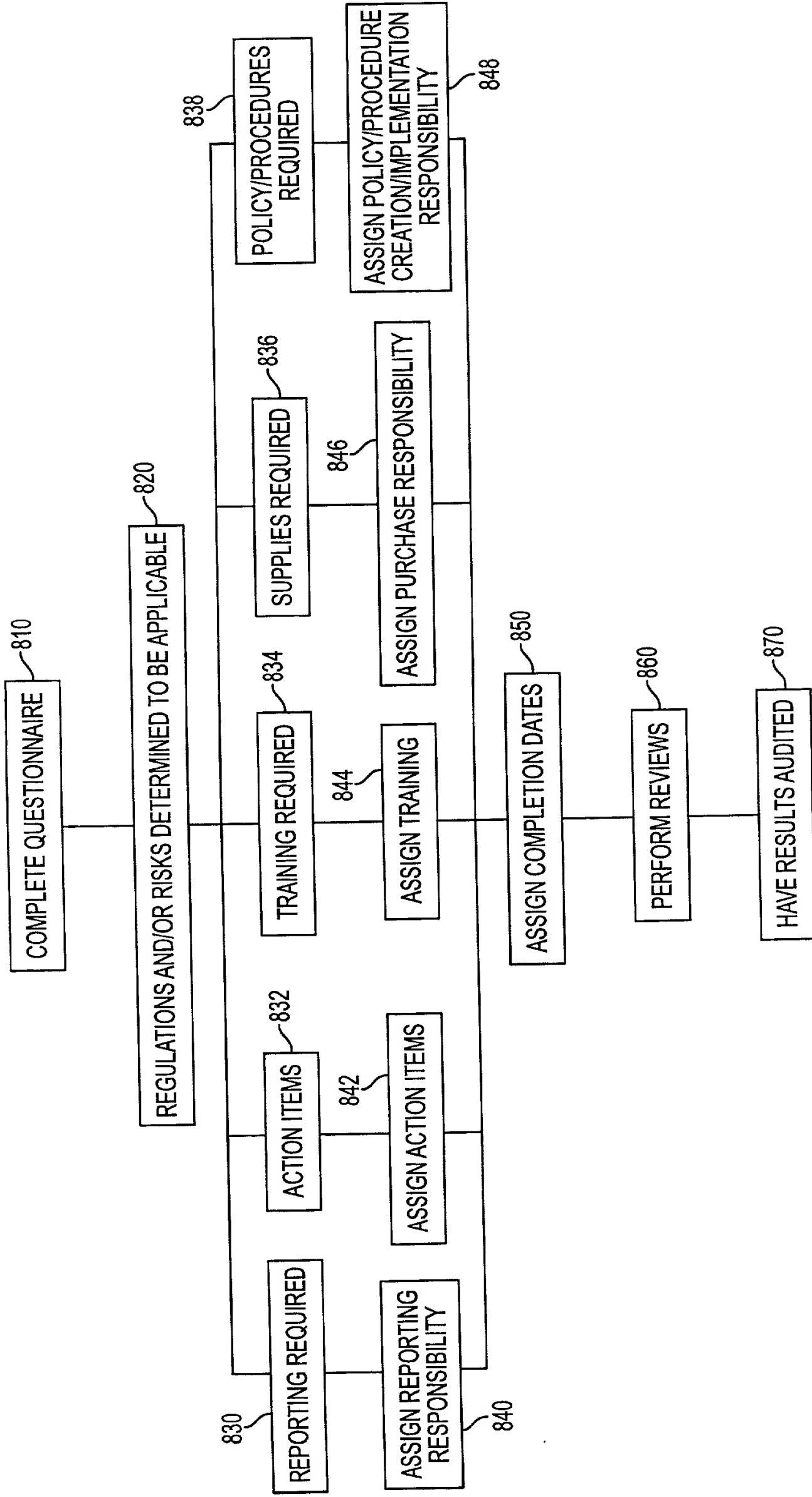


FIG. 8

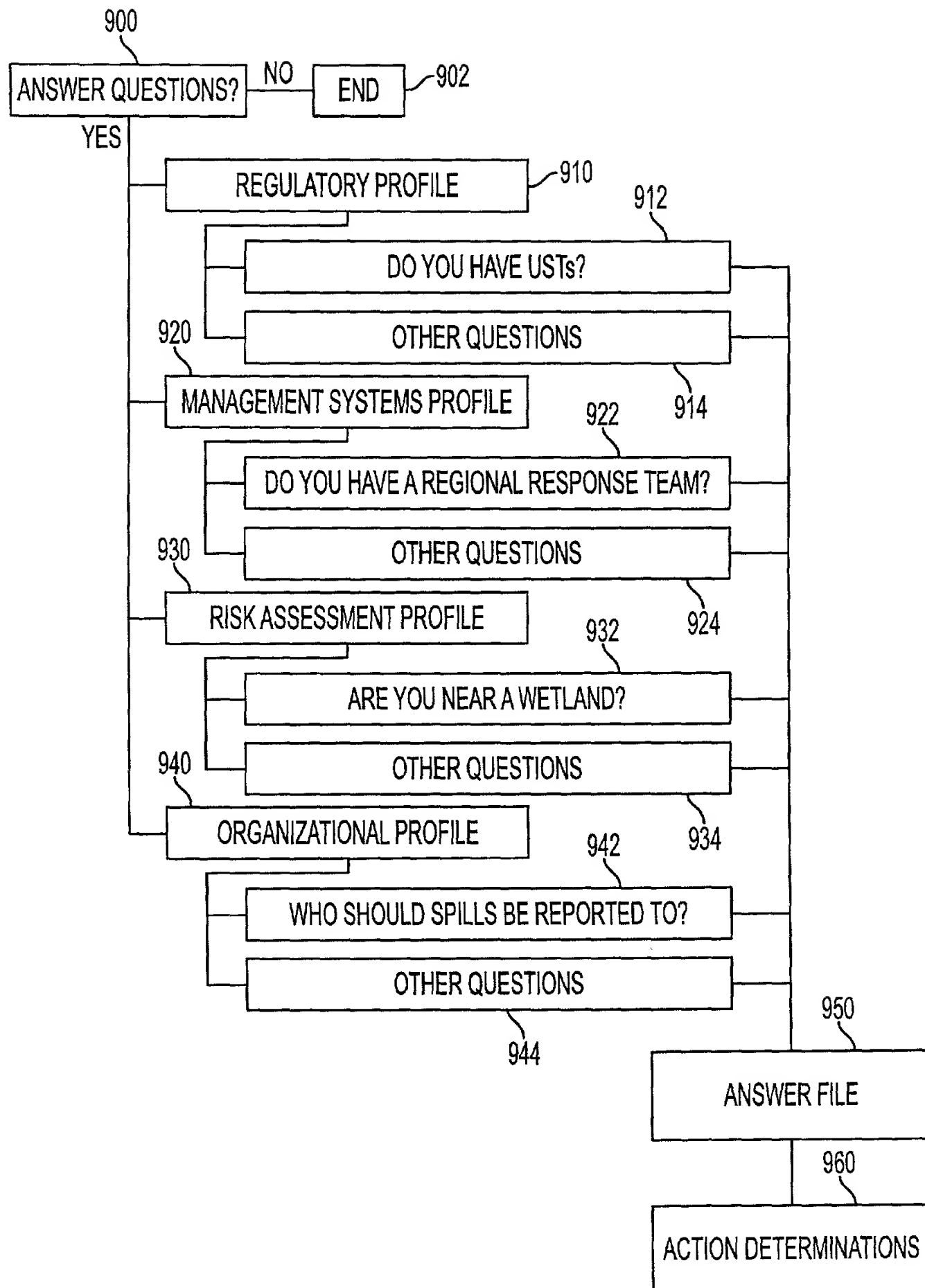
[illegible]

FIG. 9

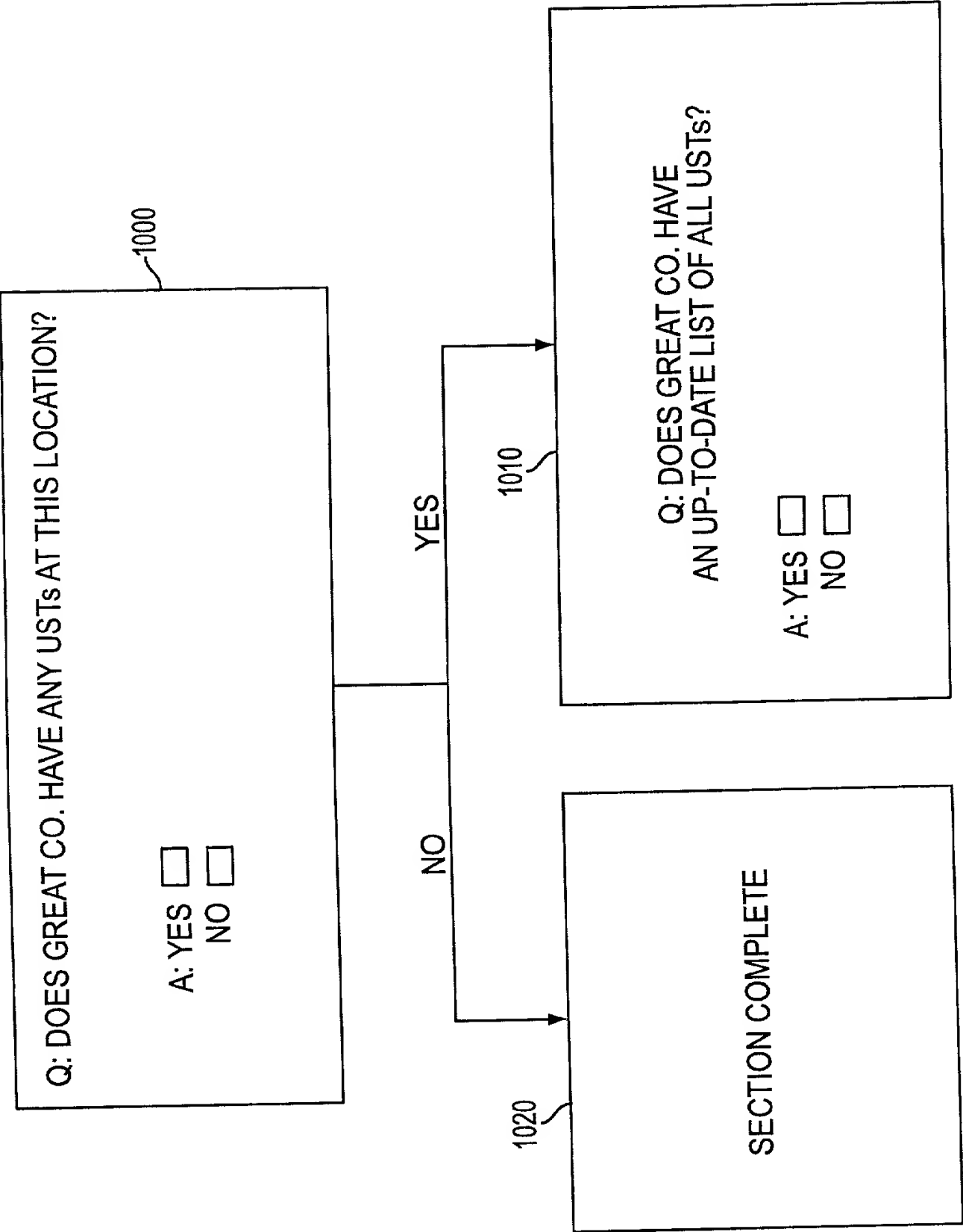


FIG. 10

| | | | |
|--|--|--------|---|
| ACTION ITEMS: | | | 1100 |
| 1. CONDUCT AN INVENTORY | | | |
| PERSON RESPONSIBLE: START DATE: DUE DATE: FUNCTION/DEPARTMENT REGULATORY DOMAIN BACKGROUND REFERENCE DRIVER: SEE: | [<NAME>] [<DATE>] [<DATE>] [<DEPARTMENT>] SAFETY AND HEALTH 29 CFR 1910.1200(f)(5) HAZCOM PROFILE QUESTION #5 POLICY ON INVENTORIES | NOTES: | <div style="border: 1px solid black; height: 150px; width: 100%;"></div> 1110 |
| 2. PURCHASE SAFETY GOGGLES | | | |
| PERSON RESPONSIBLE: START DATE: DUE DATE: FUNCTION/DEPARTMENT REGULATORY DOMAIN BACKGROUND REFERENCE DRIVER: | [<NAME>] [<DATE>] [<DATE>] [<DEPARTMENT>] SAFETY AND HEALTH 29 CFR 1910.1200(f)(5) HAZCOM PROFILE QUESTION #6 | NOTES: | <div style="border: 1px solid black; height: 150px; width: 100%;"></div> 1120 |
| 3. SCHEDULE HAZCOM TRAINING | | | |
| PERSON RESPONSIBLE: START DATE: DUE DATE: FUNCTION/DEPARTMENT REGULATORY DOMAIN BACKGROUND REFERENCE DRIVER: | [<NAME>] [<DATE>] [<DATE>] [<DEPARTMENT>] SAFETY AND HEALTH 29 CFR 1910.1200(f)(5) HAZCOM PROFILE QUESTION #6 | NOTES: | <div style="border: 1px solid black; height: 150px; width: 100%;"></div> 1130 |

FIG. 11

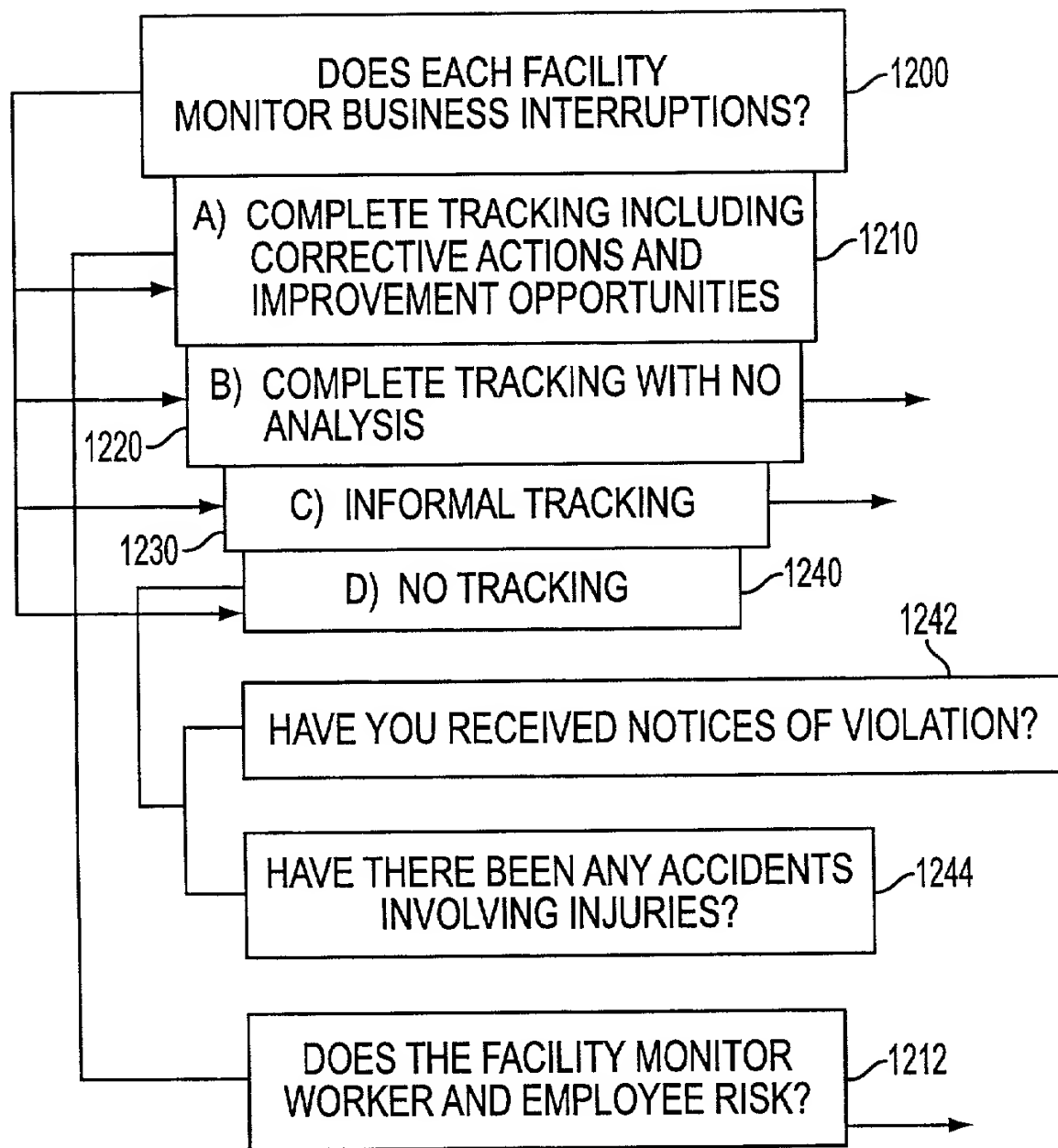


FIG. 12

FIG. 13

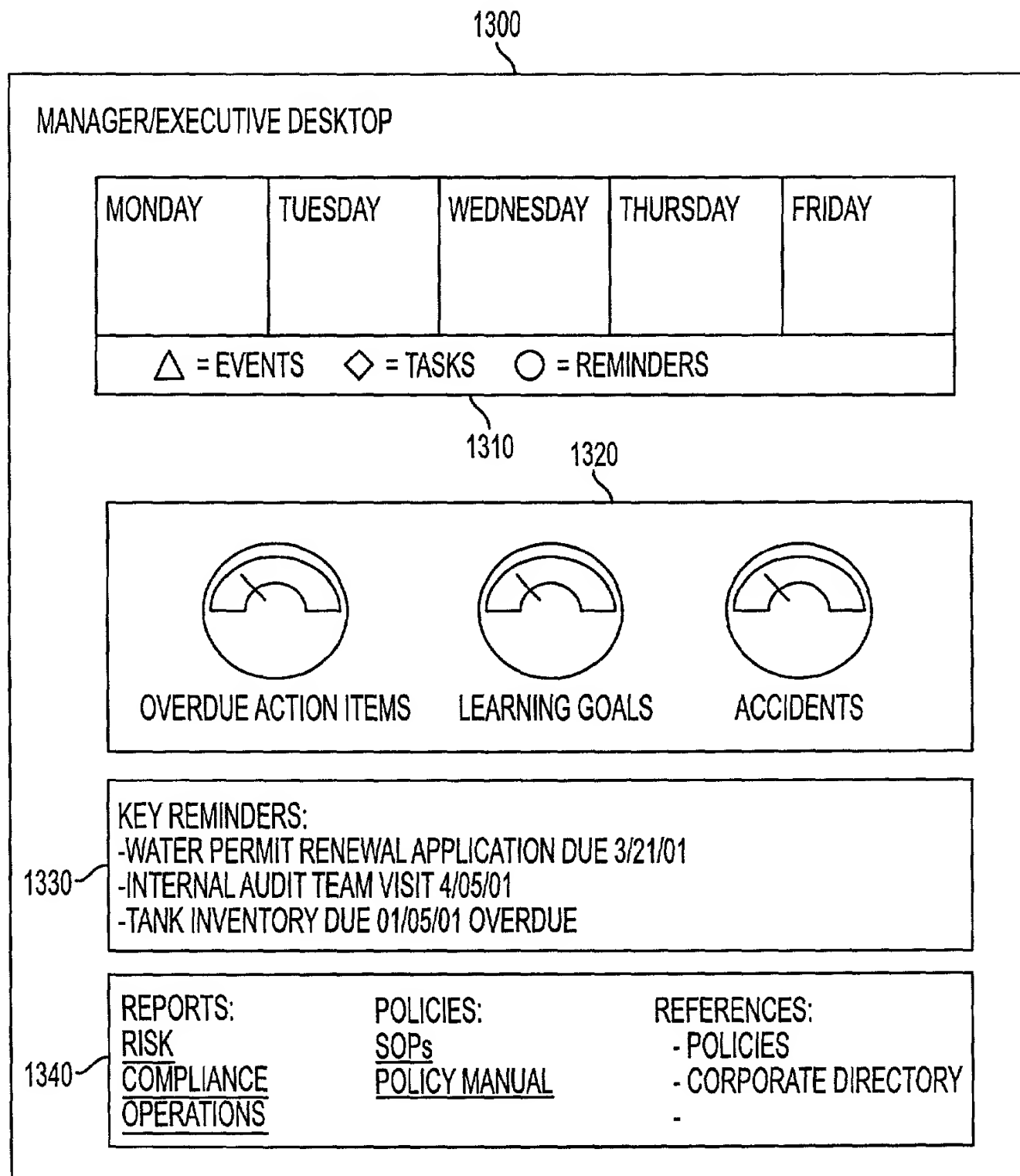


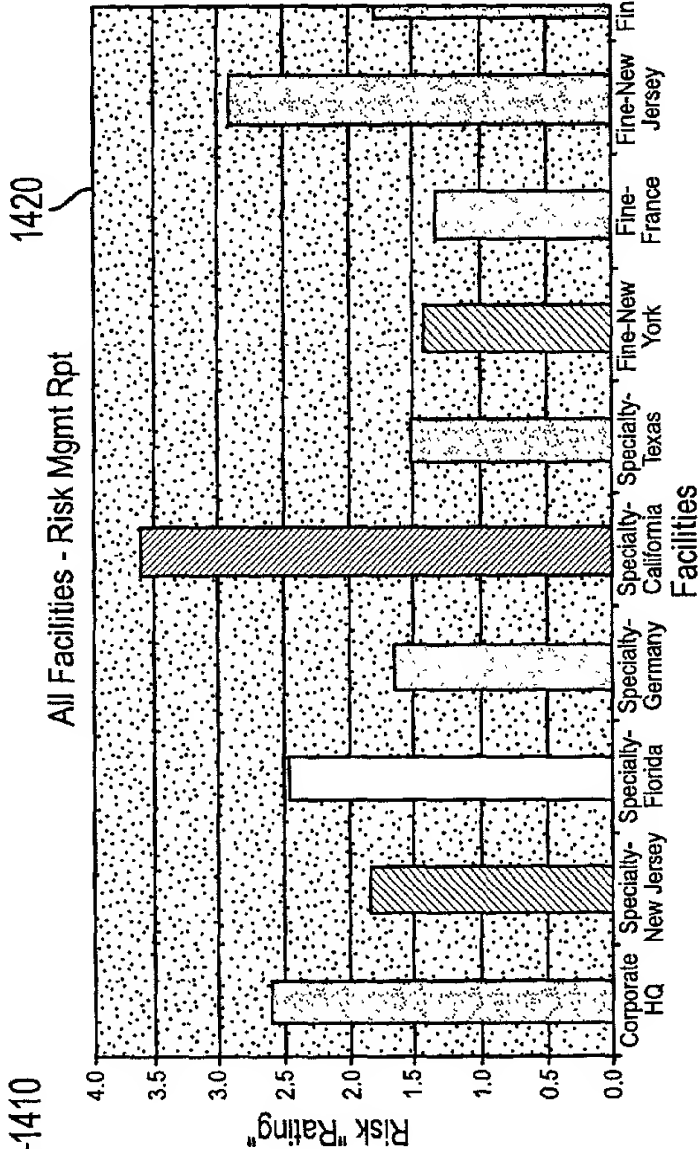
FIG. 13

EXECUTIVE/POLICY MAKER DESKTOP

Deloris Manager of US Chemicals. You are currently logged into location Corporate Headquarters, USA.

Location: ▼

Period:
From ▼ ▼
To ▼ ▼
Display ▼
for ▼



REFERENCES:

POLICIES

PROCEDURES

ALERTS:

- NEW EPA REGULATION
- NEW ANSI STANDARD
- SAFETY INCIDENT
- POLICY UPDATE NEEDING REVIEW

FIG. 14



FIG. 15

09-1690-06040

1600

| | | | | |
|--|--|---------|----------|-----------|
| WORKERS TRAINING | | | | |
| | COURSE NAME | STATUS | DUE DATE | PRIORITY |
| 1610 | <u>HAZCOM</u> | PENDING | 03/20/01 | MANDATORY |
| 1620 | <u>COMBUSTIBLE AND FLAMMABLE LIQUIDS</u> | PENDING | 03/20/01 | MANDATORY |
| 1630 | <u>FIRE EXTINGUISHERS</u> | PENDING | 03/20/01 | MANDATORY |
| 1640 | <u>FIRE PREVENTION</u> | PENDING | 03/20/01 | MANDATORY |
| 1650 | <u>FIRST AID</u> | PENDING | 03/20/01 | MANDATORY |
| | ... | PENDING | 03/20/01 | MANDATORY |
| CLICK ON COURSE NAME TO TAKE OR SIGN UP FOR COURSE | | | | |

1660

FIG. 16

704099-0597250

1700

WORKERS TRAINING

HAZCOM

1710

1720

1730

1740

1750

1760

| COURSE PROVIDER | LOCATION | COURSE DATE | COST |
|--|-------------|-------------|-------|
| <u>LIBERTY TRAINING</u> | CHICAGO | 03/20/01 | \$50 |
| <u>DEWEY, CHEATUM AND HOWE, LICENSED TRAINING PARTNERS</u> | DENVER | 03/20/01 | \$600 |
| <u>FINE TRAINING</u> | LOS ANGELES | 03/20/01 | \$60 |
| <u>FINE TRAINING</u> | WASH. DC | 03/20/01 | \$40 |
| <u>MEDIOCRE TRAINING</u> | ATLANTA | 03/20/01 | \$50 |
| ... | EVERYWHERE | 03/20/01 | \$10 |

CLICK ON COURSE NAME TO TAKE OR SIGN UP FOR COURSE

RELATED PRODUCTS


RELATED MSDS INFORMATION

1770

1780

FIG. 17

FIG. 18



Action Items

Date:

July 4, 2001

Action items by


Due Date

Display

| Title | Name | Start Date | Due Date |
|---|-----------------|------------|-----------|
| Test Respirators | Joe Worker | 6/27/2001 | 7/3/2001 |
| Review Sample Data for Air Permit | Deloris Manager | 7/2/2001 | 7/3/2001 |
| Complete Warehouse and Shipping Dock Inventory | Al Watson | 7/4/2001 | 7/4/2001 |
| Draft Site Aspects and Impacts for ISO 14001 Conf. Call | Deloris Manager | 7/2/2001 | 7/4/2001 |
| Review Soil Sample Data & Develop Questions for Consultants | Deloris Manager | 7/4/2001 | 7/4/2001 |
| Find and Update Chemical Inventory for Shipping Briefing | Deloris Manager | 7/4/2001 | 7/5/2001 |
| Update KPIs and Draft New Indicators for KPI Call | Deloris Manager | 7/5/2001 | 7/5/2001 |
| Collect Accident Root Cause Report | Joe Worker | 7/2/2001 | 7/6/2001 |
| Complete Inventory of Testing Chemicals | Alexander Smith | 7/4/2001 | 7/6/2001 |
| Run for Testing Batch for Production Run #2018 | Alexander Smith | 7/4/2001 | 7/6/2001 |
| Complete Maintenance Shop Chemical Inventory | Bob Johnson | 7/5/2001 | 7/6/2001 |
| Develop Weekly EHS Status Report for Plant Manager | Deloris Manager | 7/6/2001 | 7/6/2001 |
| Draft Air Permit Application | Deloris Manager | 7/6/2001 | 7/6/2001 |
| Review Accident Root Cause Reports | Deloris Manager | 7/6/2001 | 7/6/2001 |
| Finalize Annual Contract with Waste Management Firm | Jacquelin Jones | 7/3/2001 | 7/6/2001 |
| Collect Samples for Air Permit | Joe Worker | 7/3/2001 | 7/6/2001 |
| Lubricate Production Machinery | Bob Johnson | 7/10/2001 | 7/13/2001 |
| Clear Production Sun Pump under Production Module #3 | Jacquelin Jones | 7/10/2001 | 7/17/2001 |
| Organize Shipping Labels for Chemical Inventory | Al Watson | 7/6/2001 | 7/27/2001 |
| HAZCOM Training | Al Watson | 7/2/2001 | 7/31/2001 |

FIG. 18

1900



Chemical Management Templates

Select a Template

Change Template >>>

| Template Type | Search Criteria | Search Results List | Details Standard |
|--|--|--|--|
| <input checked="" type="radio"/> BASIC | <ul style="list-style-type: none"> Name Trade Name Manufacturer Name | <ul style="list-style-type: none"> Trade Name Name Manufacturer Name Physical State | <ul style="list-style-type: none"> OSHA |
| <input type="radio"/> ADVANCED | <ul style="list-style-type: none"> Name Trade Name Manufacturer Name Use Ingredients Haz Ingredients | <ul style="list-style-type: none"> Trade Name Name Manufacturer Name Use Ingredients Haz Ingredients Physical State Specific Gravity Solubility Emergency Overview Exposure Signs Cleanup Work Practice | <ul style="list-style-type: none"> OSHA |

1910

1920

FIG. 19

2000

Chemical Management: MSDS

2002 2004 2006

Request MSDS Print MSDS Print Labels

2012

| | | | | | |
|--------------------------|------------|------|--|----------------|--|
| | Trade Name | Name | Manufacturer Name | Physical State | Options |
| <input type="checkbox"/> | ACETONE | N/A | EM SCIENCE A DIVISION OF EM INDUSTRIES | LIQUID | PDF Request Folders Products Training |

2010

☐ Select all MSDS in the Folder

FIG. 20

Downloaded from www.scribd.com

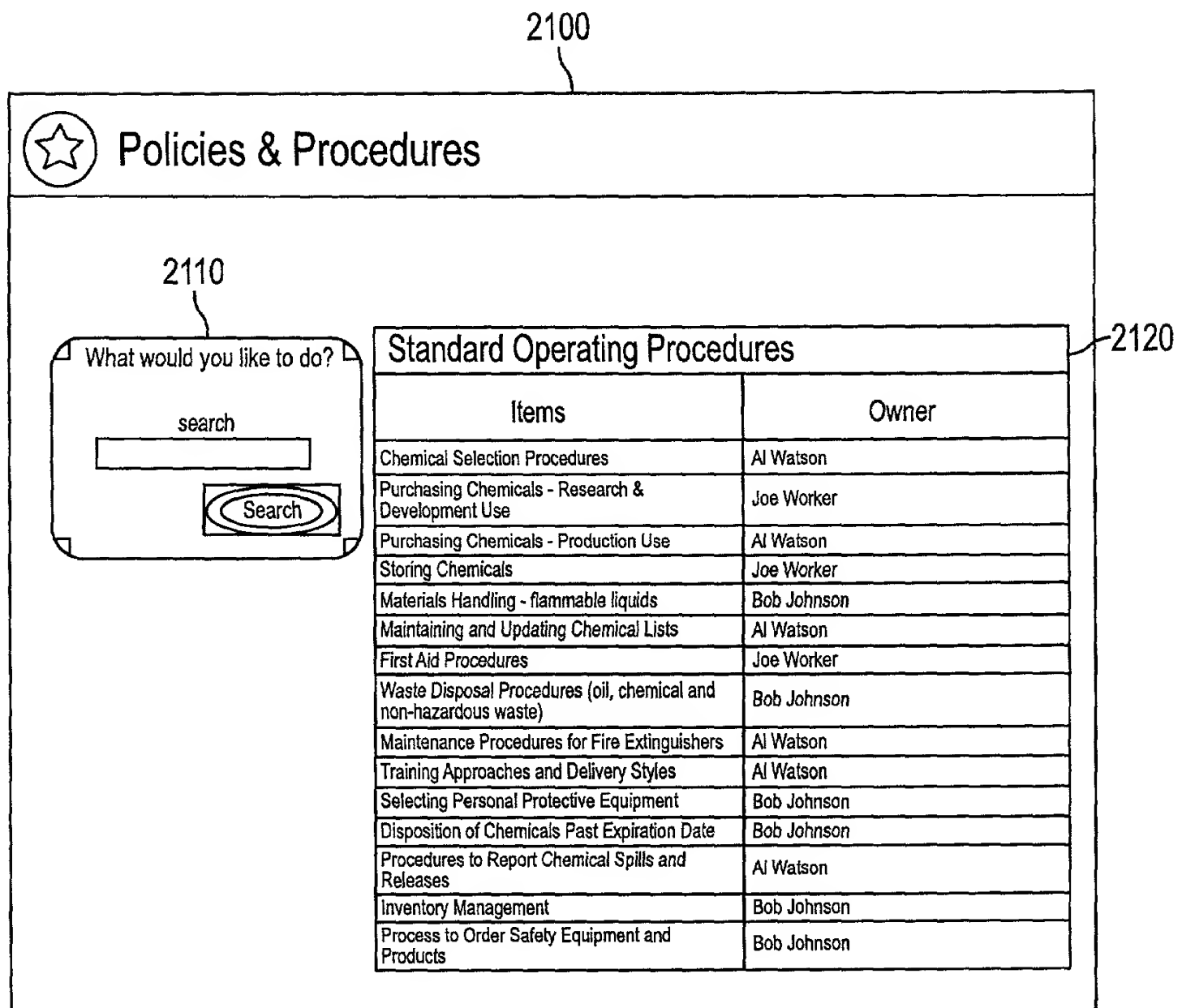


FIG. 21

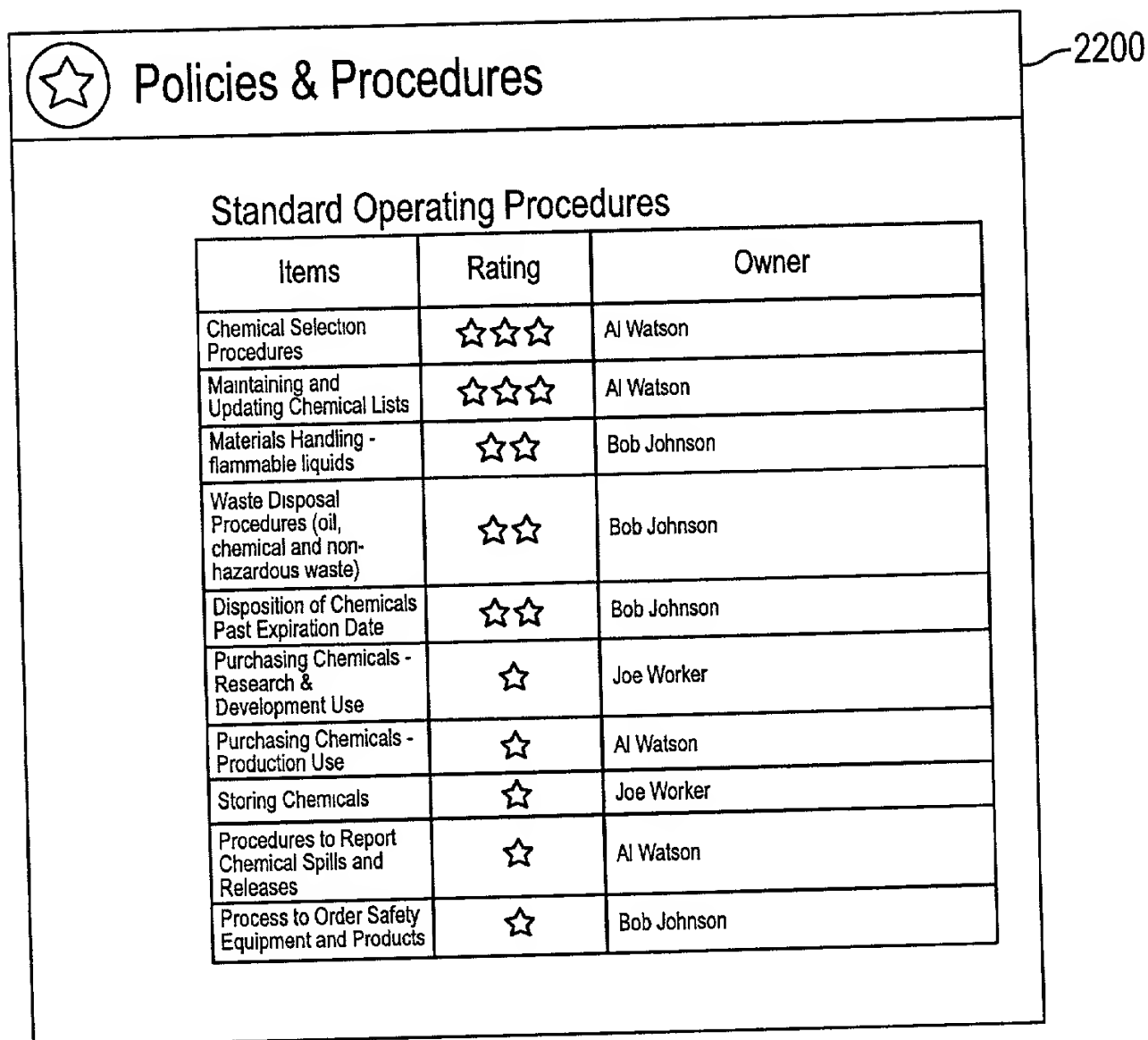


FIG. 22

FIG. 23

704030" 059T 260

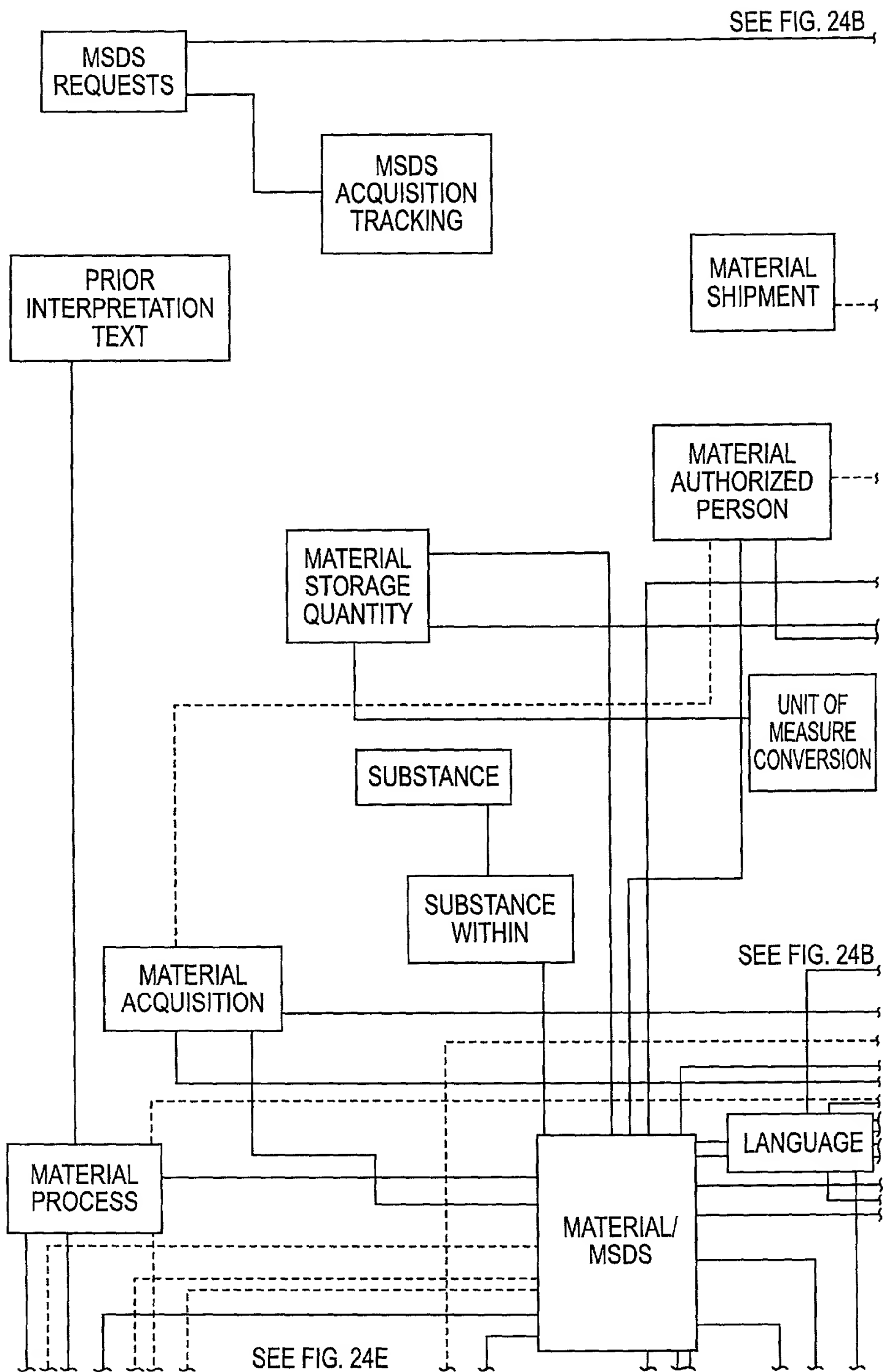


FIG. 24A

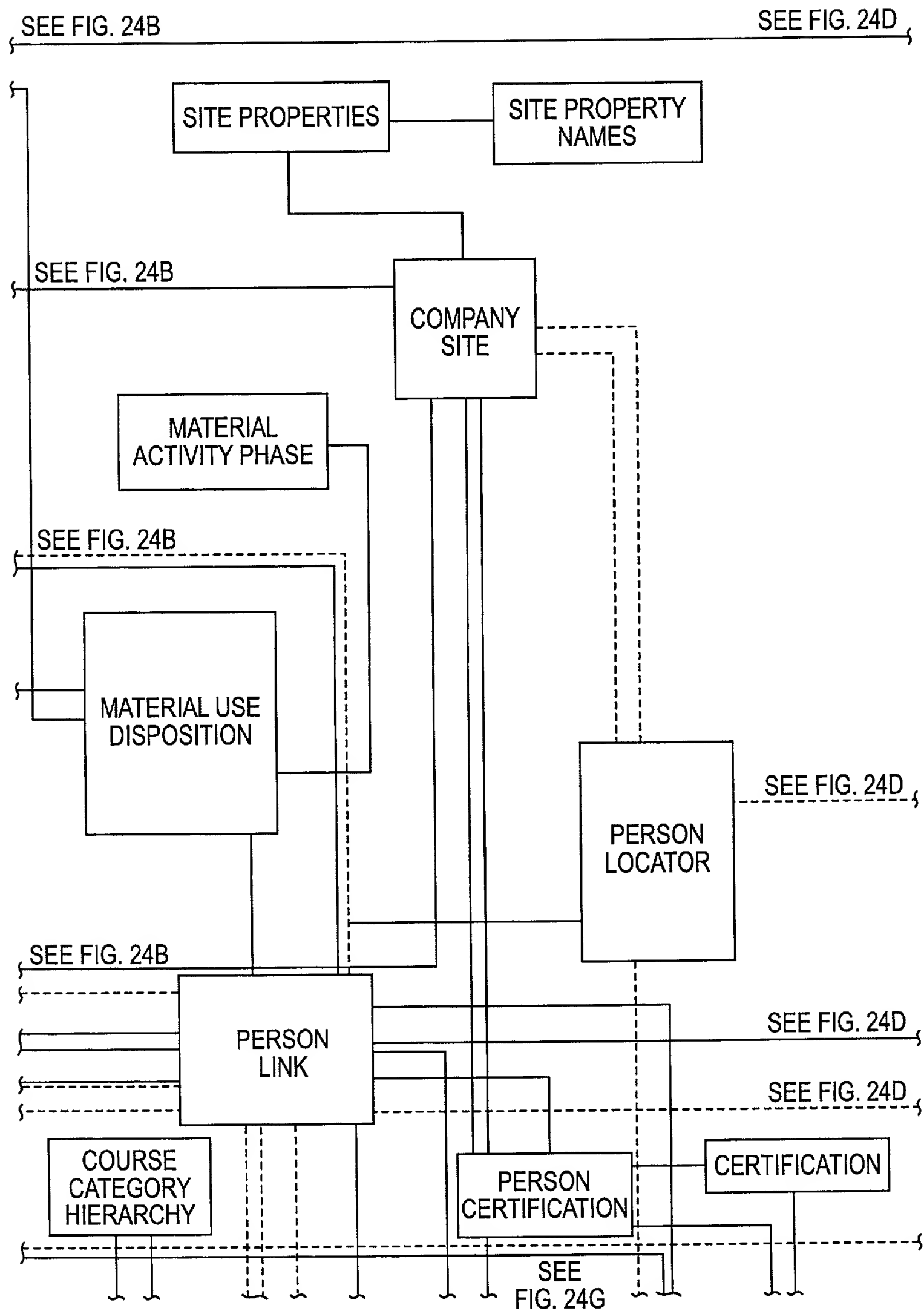
[illegible]

FIG. 24C

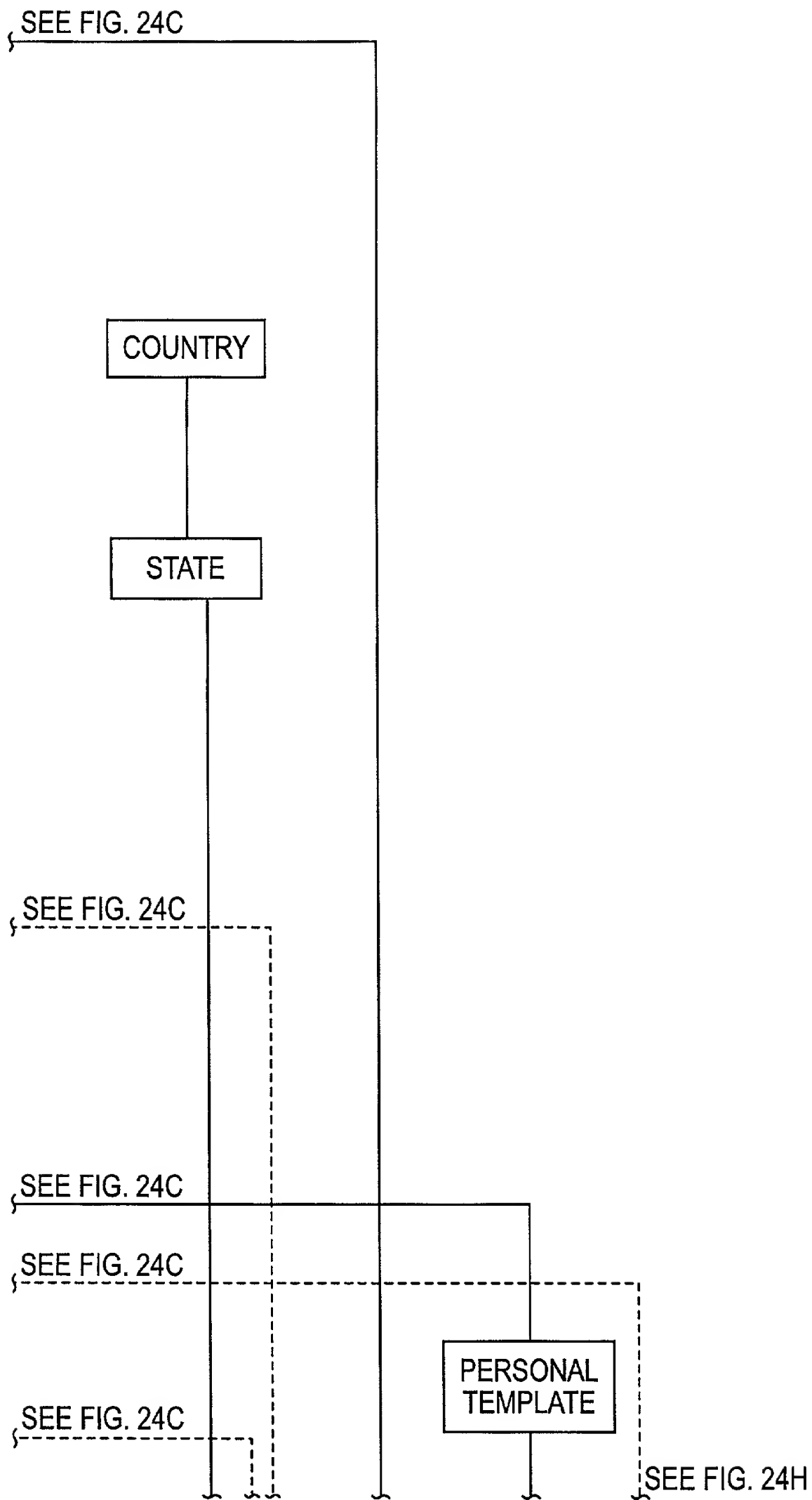


FIG. 24D

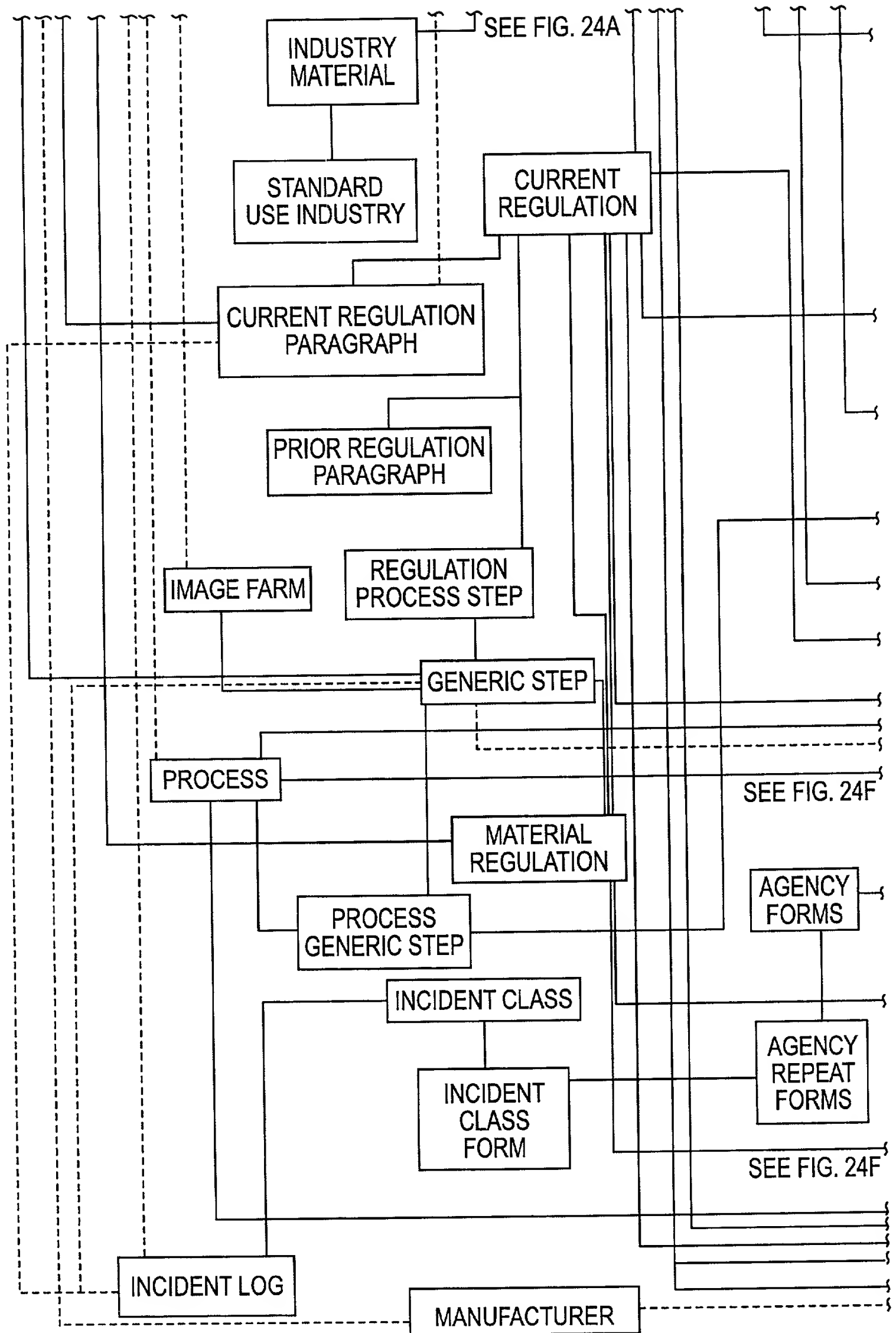


FIG. 24E

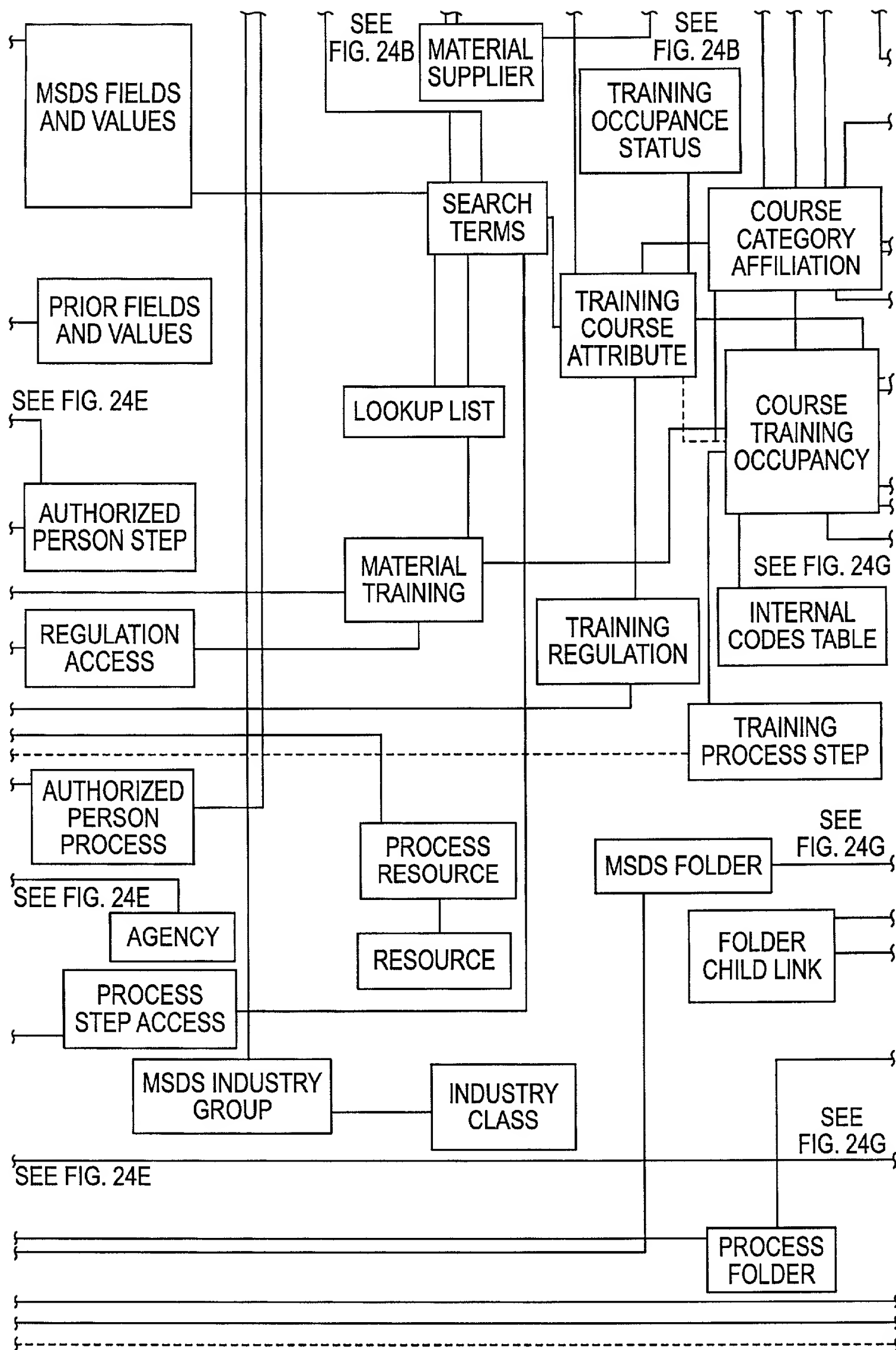


FIG. 24F

FIG. 24G

FIG. 24H

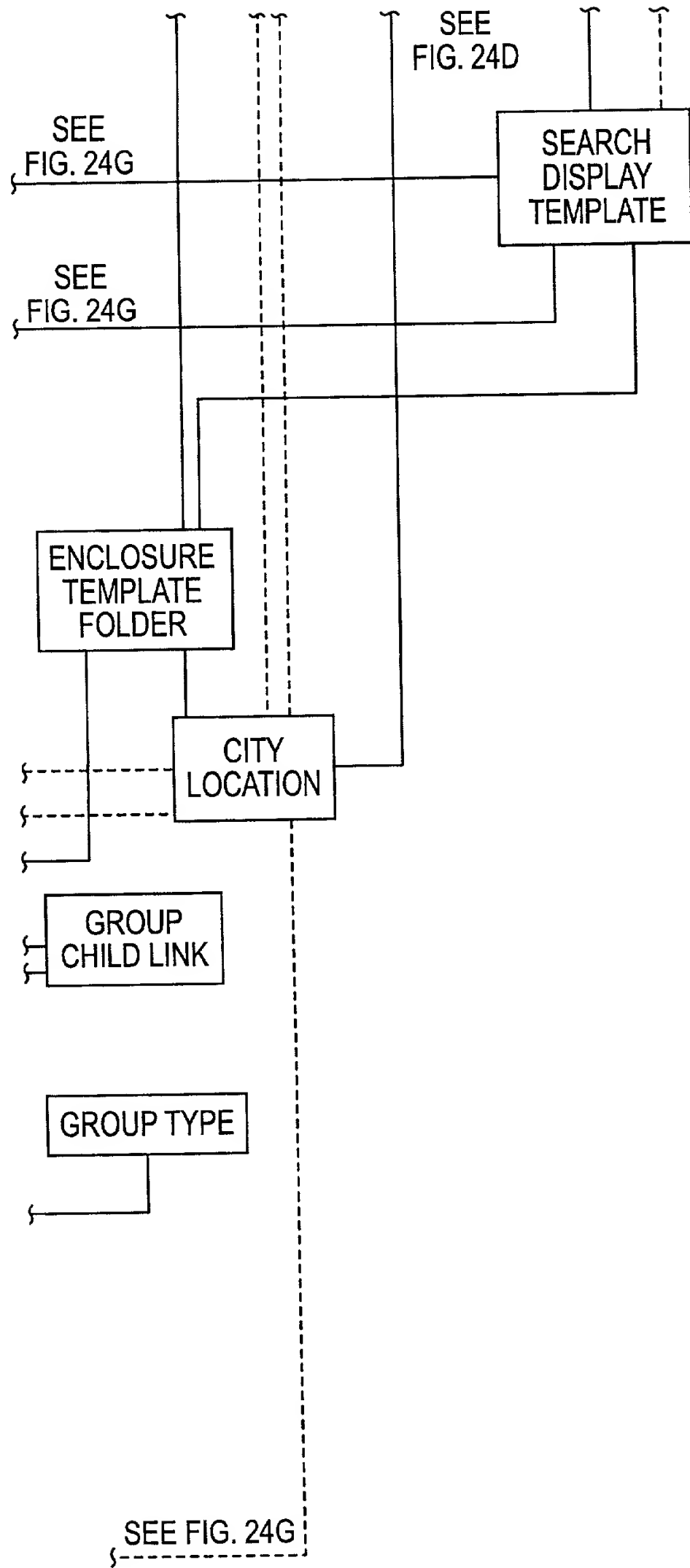


FIG. 24H

| MATERIAL_TRANSPORTATION | |
|-------------------------|------|
| STATE_NAME | 2500 |
| CONTAINER_ID_BARCODE | |
| OFFICE_NAME | |
| OWNER_COMPANY | |
| FROM_COMPANY | |
| TO_COMPANY | |
| OWNER_CITY | |
| FROM_CITY | |
| TO_CITY | |
| OWNER_SITE | |
| FROM_SITE | |
| TO_SITE | |
| MSDS_IDENTIFIER | |
| ENTRY_SEQUENCE | |
| ASSIGNED_PERSON_ID | |
| COUNTRY_NAME | |
| SHIPMENT_ID | 2510 |
| START_DATETIME | |
| END_DATETIME | |
| START_QTY | |
| END_QTY | |
| SHIPMENT_CARRIER | |

FIG.25

| MATERIAL_STORAGE_CONTAINER | |
|----------------------------|------|
| COMPANY_ID | 2600 |
| SITE_ID | |
| OFFICE_NAME | |
| MSDS_IDENTIFIER | |
| CONTAINER_ID_BARCODE | |
| ENTRY_SEQUENCE | |
| ASSIGNED_PERSON_ID | |
| CITY | |
| STATE_NAME | |
| COUNTRY_NAME | |
| QTY_REMAINING | 2610 |
| UNIT_OF_MEASURE | |
| SUPPLIER_ID | |
| RECEIVE_DATE | |
| EXPIRE_DATE | |
| CONTAINER_LOCATON | |
| CHANGE_ID | |
| CHANGE_DATETIME | |

FIG.26

FIG. 27

| INVENTORY_RECORD | |
|----------------------|------|
| COMPANY_ID | 2700 |
| SITE_ID | |
| OFFICE_NAME | |
| MSDS_IDENTIFIER | |
| CONTAINER_ID_BARCODE | |
| ENTRY_SEQUENCE | |
| ASSIGNED_PERSON_ID | |
| CITY | |
| INVENTORY_DATE | |
| STATE_NAME | |
| COUNTRY_NAME | |
| QTY | 2710 |
| PERSON_ID | |

FIG.27

FIG. 28

| MATERIAL_REGULATION_LIMITS | |
|--|------|
| MSDS_IDENTIFIER COUNTRY STATE | 2800 |
| REGULATION_IDENTIFIER PARAGRAPH_SEQUENCE MINIMUM_QTY MAXIMUM_QTY UNIT_OF_MEASURE EXCEEDS_LIMITS_MSG EFFECTIVE_DATE | 2810 |

FIG.28

FIG. 29

| MATERIAL_USE_DISPOSITION | |
|----------------------------|------|
| COMPANY_ID | 2900 |
| COUNTRY_NAME | |
| STATE_NAME | |
| CITY | |
| SITE_ID | |
| OFFICE_NAME | |
| CONTAINER_ID_BARCODE | |
| MSDS_IDENTIFIR | |
| ACTIVITY_WORD | |
| ACTIVITY_PERSON_ID | |
| ASSIGNED_PERSON_ID | |
| ASSIGNMENT_DATETIME | |
| ENTRY_SEQUENCE | |
| QUANTITY_FROM_INVENTORY | 2910 |
| UNIT_OF_MEASURE | |
| RETURN_DATETIME | |
| QUANTITY_RETURNED | |
| LOCATION_OF_USEDISPOSITION | |
| DATE_OF_USEDISPOSITION | |

FIG.29

FIG. 30

| PERSON_LOCATOR |
|-----------------------|
| PERSON_ID |
| PERSON_LAST_NAME |
| STATE_NAME |
| COUNTRY_NAME |
| SITE_ID |
| COMPANY_ID |
| CITY |
| PERSON_MALE_Y |
| PERSON_BIRTH_DATE |
| PERSON_FIRST_NAME |
| PERSON_MIDDLE_NAME |
| PERSON_HOME_STREET |
| POSTAL_CODE |
| PERSON_HOME_PHONE_1 |
| PERSON_HOME_PHONE_2 |
| PERSON_CELL_PHONE |
| PERSON_HOME_FAX |
| PERSON_PAGER |
| PERSON_OFFICE_PHONE_1 |
| PERSON_OFFICE_PHONE_2 |
| CHANGE_ID |
| CHANGE_DATETIME |

FIG.30

2025-06-04 14:00:00

| MATERIAL_MSDS |
|-----------------------|
| MSDS_IDENTIFIER |
| MATERIAL_NAME |
| COMMON_NAME |
| CASS_NUMBER |
| MANUFACTURER_NAME |
| MANUFACTURER_ID |
| RECORD_ENTRY_DATE |
| IMAGE_FILE_ID |
| SYSTEM_ENTRY_DATE |
| DATE_ISSUED |
| REVIEW_DATE |
| FIRST_AID_DESCRIPTION |
| SAFETY_LABEL |
| HAZARD_LABEL |
| HTML_FILE_1 |
| PDF_FILE_1 |
| ARCHIVED_Y_N |
| CHANGE_ID |
| USER_ID |

FIG.31

| CURRENT_REGULATION_PARAGRAPH | |
|---|------|
| REGULATION_IDENTIFIER PARAGRAPH_SEQUENCE EFFECTIVE_DATE | 3200 |
| PARAGRAPH_KEY HTML_PARAGRAPH_TEXT HTML_TRANSLATION | 3210 |

FIG.32

FIG. 33

| COURSE_TRAINING_OCCURANCE |
|---------------------------|
| TRAINING_OCCURANCE_ID |
| STATE_NAME |
| COUNTRY_NAME |
| BEGIN_DATE |
| END_DATE |
| CITY |
| BUILDING |
| ROOM |
| STATUS_PHRASE |
| COURSE_ID |
| COURSE_URL |

FIG.33

| STUDENT_PERSON | |
|------------------------------|------|
| COMPANY_ID | 3400 |
| PERSON_ID | |
| TRAINING_OCCURANCE_ID | |
| TRAINING_DATE_BEGIN | 3410 |
| TRAINING_DATE_END | |
| COMMENT | |
| ACCEPTANCE_CONFIRMATION_DATE | |
| COMPLETED_Y_N | |
| GRADE | |
| COURSE_FEEDBACK_FILENAME | |
| COURSE_ID | |
| ASSIGNER | |
| CURRENT_STATUS | |

FIG.34

REGULATION_CHANGE_NOTIFICATION

| REGULATION_CHANGE_NOTIFICATION | |
|--|------|
| GROUP_ID REGULATION_IDENTIFIER CHANGE_DATETIME COMPANY_ID | 3500 |
| CURRENT_PARAGRAPH_SEQUENCE PRIOR_PARAGRAPH_SEQUENCE | 3510 |

FIG.35

2025 RELEASE UNDER E.O. 14176

| MANUFACTURER | |
|-------------------------|------|
| MANUFACTURER_ID | 3700 |
| STATE_NAME | 3710 |
| COUNTRY_NAME | |
| MANUFACTURER_NAME | |
| MANUFACTURER_TEL_NUMBER | |
| EMERGENCY_TEL_NUMBER | |
| ADDR_LINE_1 | |
| ADDR_LINE_2 | |
| ADDR_LINE_3 | |
| CITY | |
| POSTAL_CODE | |

FIG.37

20100601 060404

| MATERIAL_ACQUISITION | |
|---|------|
| OFFICE_NAME COMPANY_ID MSDS_IDENTIFIER FROM_COMPANY_ID TO_COMPANY_ID CITY SITE_ID STATE_NAME COUNTRY_NAME | 3800 |
| AUTHORIZED_PURCHASER ORIGINAL_AUTHORIZATION_DATE ORDER_QUANTITY ORDER_DATE RECEIVE_DATE COMMENT | 3810 |

FIG.38

| ITEMS |
|-----------------|
| SKU |
| Name |
| Description |
| Price |
| PriceLimit |
| Price2 |
| Price2Limit |
| Price3 |
| Price3Limit |
| Price4 |
| SalePrice |
| UnitID |
| Weight |
| Attribute1 |
| Attribute2 |
| Attribute3 |
| Taxable |
| MfgID |
| ImageFull |
| ImageThumb |
| AssociatedItem1 |
| AssociatedItem2 |
| AssociatedItem3 |
| AssociatedItem4 |
| AssociatedItem5 |
| CategoryID |
| SubCategoryID |

3900

FIG.39

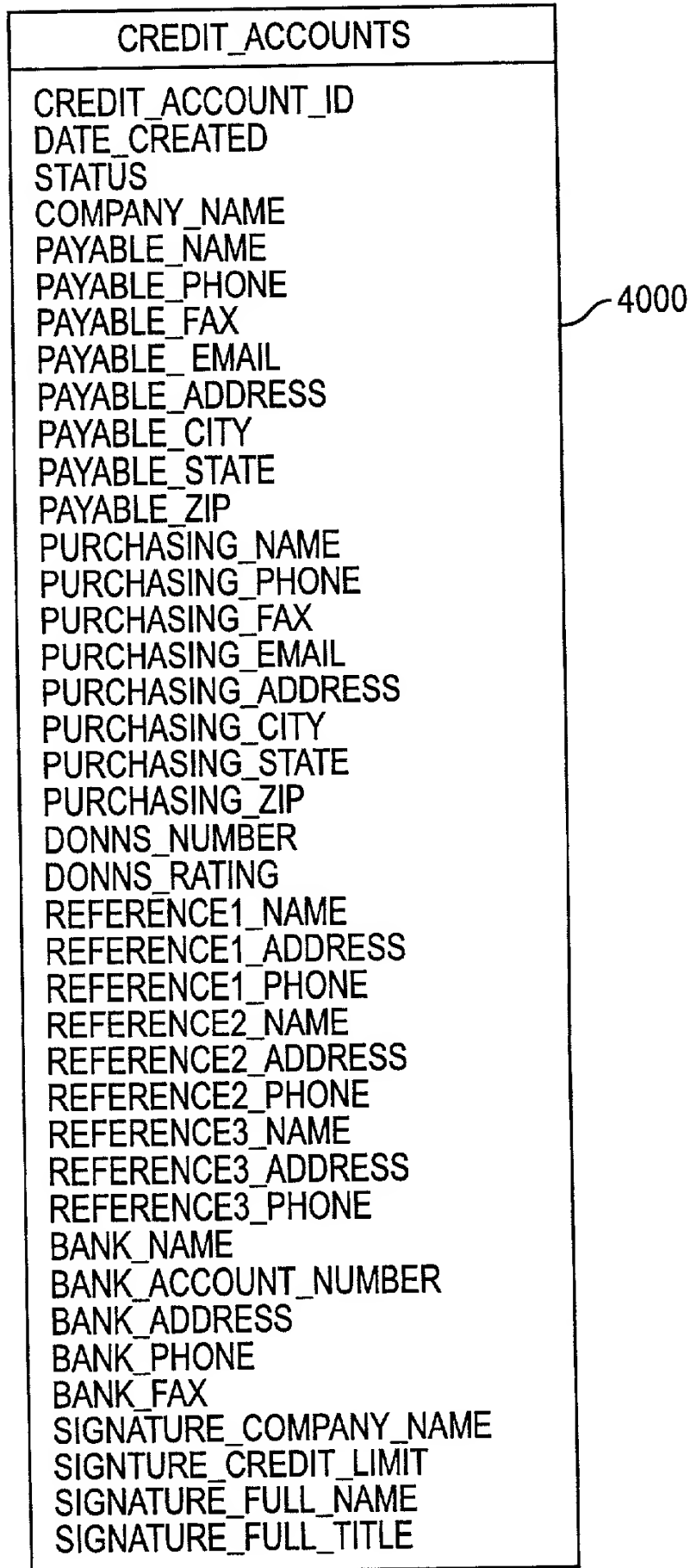


FIG.40